

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
STA for use prior to grant of E090155, Ku-band 2.4 meter T/R earth station

1. Applicant

<b>Name:</b>	Cisco Systems Inc	<b>Phone Number:</b>	408-527-9976
<b>DBA Name:</b>		<b>Fax Number:</b>	408-526-4184
<b>Street:</b>	170 W Tasman Drive SJCP/1/4	<b>E-Mail:</b>	tny@cisco.com
<b>City:</b>	San Jose	<b>State:</b>	CA
<b>Country:</b>	USA	<b>Zipcode:</b>	95134 -
<b>Attention:</b>	Mr Tony Youssef		

"60 DAYS"



File # SES-STA-20090921-01199  
E090155  
Call Sign \_\_\_\_\_ Grant Date 9/24/09  
(or other identifier)  
From 10/14/09 Term Dates 12/12/09  
to: \_\_\_\_\_  
Approved: [Signature]

**2. Contact**

<b>Name:</b>	David A. Case	<b>Phone Number:</b>	330 523-2139
<b>Company:</b>	Cisco Systems Corp Compliance	<b>Fax Number:</b>	
<b>Street:</b>	4125 Highlander Pkwy	<b>E-Mail:</b>	dcase@cisco.com
<b>City:</b>	Richfield	<b>State:</b>	OH
<b>Country:</b>	USA	<b>Zipcode:</b>	44286 -
<b>Attention:</b>		<b>Relationship:</b>	

(If your application is related to an application filed with the Commission, enter either the file number or the IB Submission ID of the related application. Please enter only one.)

3. Reference File Number SESLIC2009083101102 or Submission ID

4a. Is a fee submitted with this application?

- If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).  
 Governmental Entity     Noncommercial educational licensee  
 Other (please explain):

4b. Fee Classification CGX – Fixed Satellite Transmit/Receive Earth Station

5. Type Request

- Use Prior to Grant                       Change Station Location                       Other

6. Requested Use Prior Date  
10/14/2009

7. City Research Triangle Park

8. Latitude  
(dd mm ss.s h) 35 51 14.0 N

9. State NC	10. Longitude (dd mm ss.s h) 78 52 5.0 W
11. Please supply any need attachments. Attachment 1: Coordination Report                      Attachment 2:                      Attachment 3:	
12. Description. (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.) <div style="border: 1px solid black; padding: 5px; margin: 10px 0;">This license will allow Cisco to perform network infrastructure testing with Intelsat using the current IS-1R satellite. This testing will be used to validate the network configuration that will support the IRIS program (IS-14) and the Joint Capability Technology Demonstration (JCTD) with the U.S. Department of Defense scheduled for early in</div>	
13. By checking Yes, the undersigned certifies that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application"; for these purposes. <input checked="" type="radio"/> Yes <input type="radio"/> No	
14. Name of Person Signing David A. Case	15. Title of Person Signing Regulatory Technical Leader
WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT (U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).	

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## **12. Description**

This license will allow Cisco to perform network infrastructure testing with Intelsat using the current IS-1R satellite. This testing will be used to validate the network configuration that will support the IRIS program (IS-14) and the Joint Capability Technology Demonstration (JCTD) with the U.S. Department of Defense scheduled for early in 2010. The goal of this demonstration is to show the U.S. Department of Defense the benefits of using Internet Protocol (IP) routing in satellite communications. These benefits include better bandwidth utilization, cross beam connectivity and multi-protocol support. In order to meet testing milestones, the STA is necessary prior to permanent license grant of Call Sign E090155.